

ABSTRACT OF THE DISCLOSURE

The internal combustion engine includes an engine preheating apparatus for preheating the internal combustion engine upon or before starting thereof. This internal combustion engine further includes an air-fuel ratio controller for setting an air-fuel ratio of the internal combustion engine that is preheated, to a value higher than that of the internal combustion engine that is not preheated, and/or an ignition-timing controller for retarding an ignition timing of the internal combustion engine that is preheated as compared with the ignition timing of the internal combustion engine that is not preheated.